Fuel

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-329
Relating to Certification of New Motor Vehicles

CHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: TCR18128G1EK Displacement: 3.0 Liters (181 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Exhaust Gas Recirculation
Three Way Catalytic Converter
Heated Oxygen Sensors (two)
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.32	4.4	0.7	12.5
	100,000	0.40	5.5	0.97	n/a

The certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.13	1.2	0.1	7.4
	100,000	0.15	1.5	0.16	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 7 day of July 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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1996 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: TCR18128G1EK Evap Fam: TCR1098AYP0A

All Eng Codes in Eng Fam: CA X 49S_____ 50S_____ AB965_____

Exh Std: CA Tier-1 X TLEV_____ LEV_____ ULEV_____ ZEV_____; US EPA Tier-1 X

Evap Std: 50K X Useful Life with R/L_____ In-Use Exh Std: Full In Use X Alt In Use___

Veh Class(es): PC___ LDT1___ LDT2 X MDV1___ MDV2___ MDV3___ MDV4___ MDV5___

Single Cert Std for Multi-Class Eng Fam: N/A (Specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)

Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Bi-Level___ Gasoline X Diesel___

CNG___ LNG___ LPG___ M85___ Other (specify)_____

Emis Test Fuel(s): Indo___ Ph2 X CNG_____ LPG___ M85___ Other(specify) _____

Diesel: 13 CCR 2282___ or 40 CFR 86.113-90___ or 40 CFR 86.113-94___

Service Accum: Std AMA _____ Mod AMA _____ Mfr ADP _____ Other (Specify) _____

NMOG Test Procedure: N/A_____ Std_____ Equiv X R/L Test Proce: SHED_____ Pt Source_____

Hybrid: Type A___ B___ C___. APU Cycle (e.g., Otto, Diesel, Turbine)_____

Engine Configuration: V-6 Displacement: / 3.0 Liters / 181 Cubic Inches

Valves per Cylinder: 2 Rated HP: 150 @ 5200 RPM

Engine: Front X Mid_____ Rear_____ Drive: FWD X RWD_____ 4WD-FT_____ 4WD-PT_____

Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR, TWC, SFI, HO2S(2),
(use abbreviations per SAE J1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type M5 A4	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
CA-100 (CA)	NSHL52 NSHL53 NSKL52 NSKL53 --- NSHH52 NSHH53 NSKH52 NSKH53	A3	4000 --- 4250	SEE ATTACHMENT	04748143	05281755	04682559 04682561

Date Issued:

Revisions: _____

TC02-SDS/96

1996 Chrysler Corporation

TCR18128G1EK

FAMILY TIRE USAGE

VEHICLE MODEL	ENGINE/ TRANS	WEIGHT TEST	LBS GVW	A C	TIRE DESCRIPTION USE	YR	CODE	TRD	MFG	COASTDOWN TIME SEC	*DYNO HP	TIRE F	PRES R
NSHH52	EFA DGM FW	4250	0	Y	STD	96	TMR	TAD	TZA	17.69	8.80	35	35
					STD	96	TMR	TAD	TZH	17.71	7.40	35	35
NSHH53	EFA DGM FW	4250	0	Y	STD	96	TMR	TAD	TZA	17.69	8.80	35	35
					STD	96	TMR	TAD	TZH	17.71	7.40	35	35
NSHL52	EFA DGM FW	4000	0	Y	STD	96	TLP	TAD	TZA	15.38	9.50	35	35
					OPT	96	TMR	TAD	TZA	17.09	8.60	35	35
NSHL53	EFA DGM FW	4000	0	Y	STD	96	TLP	TAD	TZA	15.38	9.50	35	35
					OPT	96	TMR	TAD	TZA	17.09	8.60	35	35
NSKH52	EFA DGM FW	4250	0	Y	STD	96	TMR	TAD	TZA	17.69	8.80	35	35
					STD	96	TMR	TAD	TZH	17.71	7.40	35	35
NSKH53	EFA DGM FW	4250	0	Y	STD	96	TMR	TAD	TZA	17.69	8.80	35	35
					STD	96	TMR	TAD	TZH	17.71	7.40	35	35
NSKL52	EFA DGM FW	4000	0	Y	STD	96	TLP	TAD	TZA	15.38	9.50	35	35
					OPT	96	TMR	TAD	TZA	17.09	8.60	35	35
NSKL53	EFA DGM FW	4000	0	Y	STD	96	TLP	TAD	TZA	15.38	9.50	35	35
					OPT	96	TMR	TAD	TZA	17.09	8.60	35	35

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

/ 10. - TC02 - 400 /

Report Date: 05/19/95
Time: 15:24:52

1996
TCR18128G1EK

Chrysler Corporation
FAMILY TIRE DESCRIPTION

TIRE DESCRIPTION YR COD TRD MFG NAME	SIZE	RPM	CONSTRUCTION COD TREAD MATERIAL	PLY	SW	SIDEWALL MATERIAL	PLY	OVERLAY MATERIAL	PLY	TREAD DEPTH (IN.) X 1/32
96 TLP TAD TZA CONQUEST	P205/75R14	800	SBR 2-STEEL/2-POLYESTER	4	BSW	Polyester	2	Nylon	1	10
96 TMR TAD TZA CONQUEST	P215/65R15	804	SBR 2-STEEL/2-POLYESTER	4	BSW	Polyester	2	Nylon	1	10
96 TMR TAD TZH XW4	P215/65R15	804	SBR 2-STEEL/1-POLYESTER	3	BSW	Polyester	1	Nylon	1	08

Report Date: 05/19/95
Time: 15:24:52

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: TCR18128G1EK
Evaporative Fam: TCR1098AYP0A

Certificate #:

Model ID	Car Line	California Sales
NSKH52	Caravan (2WD)	YES
NSKL52	Caravan (2WD)	YES
NSKH53	Grand Caravan (2WD)	YES
NSKL53	Grand Caravan (2WD)	YES
NSHH53	Grand Voyager (2WD)	YES
NSHL53	Grand Voyager(2WD)	YES
NSHH52	Voyager (2WD)	YES
NSHL52	Voyager (2WD)	YES

Model Codes
NS K P 53

--- Body Style
12=113" wb Van
13=119" wb Van
52=113" wb Wagon
53=119" wb Wagon

------ Price Class
H=High Line
P=Premium
L=Low Line

-------- Model
K=Dodge D=Dodge AWD
H=Plymouth P=Plymouth AWD
Y=Chrysler C=Chrysler AWD

---------- Body Code
NS=Minivan

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1996 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: TCR18128G1EK Evap Fam: TCR1098AYP0A
All Eng Codes in Eng Fam: CA X 49S _____ 50S _____ AB965 _____
Exh Std: CA Tier-1 X TLEV _____ LEV _____ ULEV _____ ZEV _____; US EPA Tier-1 X
Evap Std: 50K X Useful Life with R/L _____ In-Use Exh Std: Full In Use X Alt In Use ___
Veh Class(es): PC ___ LDT1 ___ LDT2 X MDV1 ___ MDV2 ___ MDV3 ___ MDV4 ___ MDV5 ___
Single Cert Std for Multi-Class Eng Fam: N/A (Specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
Fuel Type(s): Dedicated X Flex-Fuel ___ Dual-Fuel ___ Bi-Level ___ Gasoline X Diesel ___
CNG ___ LNG ___ LPG ___ M85 ___ Other (specify) _____
Emis Test Fuel(s): Indo ___ Ph2 X CNG ___ LPG ___ M85 ___ Other(specify) _____
Diesel: 13 CCR 2282 ___ or 40 CFR 86.113-90 ___ or 40 CFR 86.113-94 ___
Service Accum: Std AMA _____ Mod AMA _____ Mfr ADP _____ Other (Specify) _____
NMOG Test Procedure: N/A _____ Std _____ Equiv X R/L Test Proce: SHED _____ Pt Source _____
Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) _____
Engine Configuration: V-6 Displacement: / 3.0 Liters / 181 Cubic Inches
Valves per Cylinder: 2 Rated HP: 150 @ 5200 RPM
Engine: Front X Mid _____ Rear _____ Drive: FWD X RWD _____ 4WD-FT _____ 4WD-PT _____
Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR, TWC, SFI, HO2S(2),
(use abbreviations per SAE J1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type M5 A4	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
CA-100 (CA)	NSHL52 NSHL53 NSKL52 NSKL53	A3	4000	S E E	04748143	05281755	04682559 04682561
	NSHH52 NSHH53 NSKH52 NSKH53		4250	A T T A C H M E N T			

Date Issued:
Revisions: _____

TC02-SDS/96

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: TCR1812SG1EK
Evaporative Fam: TCR1GGBAYF0A

Certificate #:

Model ID	Car Line	California Sales
NSKH52	Caravan (2WD)	YES
NSKL52	Caravan (2WD)	YES
NSKH53	Grand Caravan (2WD)	YES
NSKL53	Grand Caravan (2WD)	YES
NSHH53	Grand Voyager (2WD)	YES
NSHL53	Grand Voyager(2WD)	YES
NSHH52	Voyager (2WD)	YES
NSHL52	Voyager (2WD)	YES

Model Codes
NS K P 53

- 53 — Body Style
  - 12=113" wb Van
  - 13=119" wb Van
  - 52=113" wb Wagon
  - 53=119" wb Wagon
- P — Price Class
  - H=High Line
  - P=Premium
  - L=Low Line
- K — Model
  - K=Dodge D=Dodge AWD
  - H=Plymouth P=Plymouth AWD
  - Y=Chrysler C=Chrysler AWD
- NS — Body Code
  - NS=Minivan